



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/574,405
Filing Date	March 31, 2006
First Named Inventor	Ehud GAZIT et al
Art Unit	1645
Examiner Name	Not Yet Assigned

Sheet 1 of 10 Attorney Docket Number 31689

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1	US-2001/041732	15-Nov-2001	Gurley et al.		
2	US-2002/006954	17-Jan-2002	Hensley et al.		
3	US-2002/0086067	04-Jul-2002	Choi et al.		
4	US-2002/0151506	17-Oct-2002	Castillo et al.		
5	US-2003/0225155	04-Dec-2003	Fernandez-Pol et al.		
6	US-2003/158237	21-Aug-2003	Saragovi et al.		
7	US-2004/029830	12-Feb-2004	Herbert		
8	US-2004/152672	05-Aug-2004	Carson et al.		
9	US-2005/0069950	31-Mar-2005	Haynie		
10	US-2006/0079454	13-Apr-2006	Reches et al.		
11	US-2006/0194777	31-Aug-2006	Gazit et al.		
12	US-2006/0234947	19-Oct-2006	Gazit		
13	US-2007/0021345	25-Jan-2007	Gazit		
14	US-2,920,080	05-Jan-1965	Bucourt et al		
15	US-3,042,685	03-Jul-1962	Roussel		
16	US-3,625,973	07-Dec-1971	Julia		
17	US-3,790,596	05-Feb-1974	Shkilkova et al		
18	US-3,976,639	24-Aug-1976	Batcho et al.		
19	US-4,036,945	19-Jul-1977	Haber		
20	US-4,299,917	10-Nov-1981	Berger et al.		
21	US-4,331,647	25-May-1982	Goldenberg		
22	US-4,626,540	02-Dec-1986	Capps et al.		
23	US-4,816,567	28-Mar-1989	Cabilly et al.		
24	US-4,925,673	15-May-1990	Steiner et al.		
25	US-4,946,778	07-Aug-1990	Ladner et al.		
26	US-4,970,233	13-Nov-1990	McHugh		
27	US-5,013,556	07-May-1991	Woodle et al.		
28	US-5,270,163	14-Dec-1993	Gold et al.		
29	US-5,304,470	19-Apr-1994	Fischer et al.		

Examiner
Signature

Date
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.
Include copy of copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Under 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

OF

10

Complete if Known

Application Number	10/574,405
Filing Date	March 31, 2006
First Named Inventor	Ehud GAZIT et al
Art Unit	1645
Examiner Name	Not Yet Assigned

Attorney Docket Number

31689

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Number-Kind-Code ² (if known)					
30		US-5,332,648	26-Jul-1994	Kihara et al.	
31		US-5,475,096	12-Dec-1995	Gold et al.	
32		US-5,545,806	13-Aug-1996	Lonberg et al	
33		US-5,545,807	13-Aug-1996	Surani et al.	
34		US-5,567,588	22-Oct-1996	Gold et al.	
35		US-5,569,825	29-Oct-1996	Lonberg et al.	
36		US-5,595,877	21-Jan-1997	Gold et al.	
37		US-5,625,126	29-Apr-1997	Lonberg et al.	
38		US-5,633,425	27-May-1997	Lonberg et al.	
39		US-5,637,459	10-Jun-1997	Burke et al.	
40		US-5,643,768	01-Jul-1997	Kawasaki	
41		US-5,658,754	19-Aug-1997	Kawasaki	
42		US-5,659,041	19-Aug-1997	Pollak et al.	
43		US-5,661,016	26-Aug-1997	Lonberg et al.	
44		US-5,683,867	04-Nov-1997	Biesecker et al.	
45		US-5,705,337	06-Jan-1998	Gold et al.	
46		US-5,916,642	29-Jun-1999	Chang	
47		US-6,162,828	19-Dec-2000	Fukuda et al.	
48		US-6,251,625	26-Jul-2001	Bommarius et al.	
49		US-6,255,286	03-Jul-2001	Yanai et al.	
50		US-6,309,669	30-Oct-2001	Setterstrom et al.	
51		US-6,326,174	04-Dec-2001	Joyce et al.	
52		US-6,361,861	26-Mar-2002	Gao et al.	
53		US-6,593,339	15-Jul-2003	Eek et al.	
54		US-6,610,478	26-Aug-2003	Takie et al.	
55		US-6,613,875	02-Sep-2003	Ghadiri	
56		US-6,617,114	09-Sep-2003	Fowlkes et al.	
57		US-6,677,153	13-Jan-2004	Iversen	
58		US-6,858,318	22-Feb-2005	Kogiso et al.	
59		US-6,976,639	20-Dec-2005	Williams et al.	

Examiner Signature

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/574,405
Filing Date	March 31, 2006
First Named Inventor	Ehud GAZIT et al
Art Unit	1645
Examiner Name	Not Yet Assigned

Sheet

3

OF

10

Attorney Docket Number

31689

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
60	US-7,045,537	16-May-2006	Woolfson et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Documents Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date DD-MMM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
61	JP 02-295923		06-Dec-1990	Taiyo		
62	EP 0421946		10-Apr-1991	Politi et al		
63	JP 10-245342		14-Sep-1998	Araya et al.		
64	JP 63-044895		25-Feb-1988	Kyowa Hakko Kogyo		
65	EP 966,975		07-Sep-2005	Kohno et al.		
66	PCT WO 00/24390		04-May-2000	Reiner et al.		
67	PCT WO 01/45726		28-Jun-2001	Schmitz		
68	PCT WO 01/49281		12-Jul-2007	Castillo et al.		
69	PCT WO 01/49307		12-Jul-2001	Castillo et al.		
70	PCT WO 02/072086		19-Sep-2002	Suzuki		
71	PCT WO 02/094857		28-Nov-2002	Gutheil et al.		
72	PCT WO 03/013442		20-Feb-2003	Castillo et al.		
73	PCT WO 03/024443		27-Mar-2003	Martynyuk et al		
74	PCT WO 03/039540		15-May-2003	Heefner et al.		
75	PCT WO 03/070269		28-Aug-2003	Schraermeyer		
76	PCT WO 03/077866		25-Sep-2003	Ash et al.		
77	PCT WO 2005/016339		24-Feb-2005	Landreth et al		
78	PCT WO 2005/020809		10-Mar-2005	Owen et al.		
79	PCT WO 2005/027901		31-Mar-2005	Gazit et al.		
80	PCT WO 2005/085867		15-Sep-2005	Taniguchi et al.		
81	PCT WO 2006/006172		19-Jan-2006	Gazit et al.		
82	PCT WO 2006/013552		09-Feb-2006	Gazit et al.		
83	PCT WO 2006/018850		23-Feb-2006	Gazit et al.		
84	PCT WO 2006/020681		23-Feb-2006	Banerjee		
85	PCT WO 2006/027780		16-Mar-2006	Reches et al.		
86	PCT WO 2007/029003		15-Mar-2007	Ulijn et al.		
87	PCT WO 2007/043048		19-Apr-2007	Gazit et al.		
88	PCT WO 97/16191		09-May-1997	Hays et al.		
89	PCT WO 98/20135		14-May-1998	Fitzgerald et al.		

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).

2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04, 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

4 For Japanese patent documents, the indication of the year or reign of the Emperor must precede the serial number of the patent document.

5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 **Of** 10 **Attorney Docket Number** 31689

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-------------------------------	--	----------------------------	--

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.
Include copy of copy of this form with next communication to applicant.

¹ Application unique citation designation number (Section 1B)

² Applicant's unique citation designation number (optional).

* See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number.

⁵ Kind of document by the appropriate symbols as indicated on the document under V.

kind of document by the appropriate symbols as indicated on the document under "Classification".

Applicant is to place a check mark here if English language translation is attached.
This collection of information is required by 44 CFR 1.03 or 44 CFR 1.08. The information is

This collection of information is required by 37 CFR 1.97 and 1.98. The information is used to process an application. Confidentiality is guaranteed by 35 U.S.C. 122 and 37 CFR 1.10.

(b) (5)(A) An application for reexamination is governed by 35 U.S.C. 122 and 37 C.F.R. 1.14; this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting a completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH /N/A/

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/574,405
Filing Date	March 31, 2006
First Named Inventor	Ehud GAZIT et al
Group Art Unit	1645
Examiner Name	Not Yet Assigned

Sheet 1 of 5 Of 10 Attorney Docket Number 31689

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	92	Altland et al. "Potential Treatment of Transthyretin-Type Amyloidoses by Sulfito", <i>Neurogenetics</i> , 2: 183-188, 1999.	
	93	Appukuttan et al. "Microwave Enhanced Formation of Electron Rich Arylboronates", <i>Synlett</i> , 8: 1204-1206, 2003. Figs. Scheme 4, Compounds 5A, 5B, 5C, 5D.	
	94	Azriel et al. "Analysis of the Minimal Amyloid-Forming Fragment of the Islet Amyloid Polypeptide", <i>The Journal of Biological Chemistry</i> , 276(36): 34156-34161, 2001.	
	95	Balaram "De Novo Design; Backbone Conformational Constraints in Nucleating Helices and β-hairpins", <i>J. Peptide Res.</i> , 54: 195-199, 1999.	
	96	Berson et al. "Proteinase Convertase Cleavage Liberates A Fibrillrogenic Fragment of A Resident Glycoprotein to Initiate Melanosome Biogenesis", <i>Journal of Cell Biology</i> , 161(3): 521-533, 2003.	
	97	Bong et al. "Self-Assembling Organic Nanotubes", <i>Angewandte Chemie, International Edition</i> , 40:988-1011, 2001.	
	98	Chapman et al. "Role of Escherichia Coli Curl Operons in Directing Amyloid Fiber Formation", <i>Science</i> , 295(5556): 851-855, 2002, Abstract.	
	99	Cherny et al. "The YefM Antitoxin Defines A Family of Natively Unfolded Proteins", <i>The Journal of Biological Chemistry</i> , 279(9): 8252-8261, 2004.	
	100	Chou et al. "Empirical Predictions of Protein Conformation", <i>Ann. Rev. Biochem.</i> , 47: 251-276, 1978.	
	101	Claessen et al. "A Novel Class of Secreted Hydrophobic Proteins is Involved in Aerial Hyphae Formation in Streptomyces Coelicolor by Forming Amyloid-Like Fibrils", <i>Genes & Development</i> , 17: 1714-1726, 2003.	
	102	Clark et al. "Self-Assembling Cyclic β3-Peptide Nanotubes as Artificial Transmembrane Ion Channels", <i>Journal of the American Chemical Society, JACS</i> , 120: 651-656, 1998.	
	103	Cohen et al "Inhibition of Amyloid Fibril Formation and Cytotoxicity by Hydroxyindole Derivatives", <i>Biochemistry</i> , 45: 4727-4735, 2006, Abstract, P.4728, Col.1, Last §, P.4728, Col.2, § 2, Fig.1, P.4729, Col.1, P.4728, Col.1, Last §, P.4728, Col.2, § 2, Fig.1, P.4728, Col.1, Last §, P.4728, Col.2, § 2, Fig.1, 4, P.4732, Col.2, § 2, 3, P.4733, Col.2, § 4.	
	104	Elliot et al. "The Chaplins: A Family of Hydrophobic Cell-Surface Proteins Involved in Aerial mycelium Formation in Streptomyces Coelicolor", <i>Genes & Development</i> , 17: 1727-1740, 2003.	
Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	6	Of	10	Attorney Docket Number	31689
-------	---	----	----	------------------------	-------

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, (page)s), volume-issue number(s), publisher, city and/or country where published.	T ²
	105	Engelberg-Kulka et al, "Bacterial Programmed Cell Death Systems as Targets for Antibiotics", Trends in Microbiology, 12(2): 66-71, 2004.	
	106	Gazit "Mechanisms of Amyloid Fibril Self-Assembly and Inhibition Model Short Peptides As A Key Research Tool", The FEBS Journal, 272: 5971-5978, 2005.	
	107	Gazit "Mechanistic Studies of Process of Amyloid Fibrils Formation by the Use of Peptide Fragments and Analogs: Implications for the Design of Fibrillization Inhibitors", Current Medicinal Chemistry, 9: 1725-1735, 2002.	
	108	Ghadiri et al. "Artificial Transmembrane Ion Channels From Self-Assembling Peptide Nanotubes", Nature, 369(6478): 301-304, 1994.	
	109	Grady et al. "Axe-Txe, A Broad-Spectrum Proteic Toxin-Antitoxin System Specified By A Multidrug-Resistant, Clinical Isolate of Enterococcus Faecium", Molecular Biology, 47(S): 1419-1432, 2003. Abstract, P.1424, Col.1 - P.1426, Col.2, Fig.5.	
	110	Higaki et al. "Regulation of Drug Absorption From Small Intestine by Enteric Nervous System I: A Poorly Absorbable Drug Via Passive Diffusion", Drug Metabolism and Pharmacokinetics, 19(3): 198-205, 2004.	
	111	Holmes et al. "Extensive Neurite Outgrowth and Active Synapse Formation on Self-Assembling Peptide Scaffolds", Proc. Natl. Acad. Sci. USA, 97(12): 6728-6733, 2000.	
	112	Hoyle et al. "Pseudomonas Aeruginosa Biofilm as A Diffusion Barrier to Piperacillin", Antimicrobial Agents and Chemotherapy, 36(9): 2054-2056, 1992.	
	113	Huang et al. "A Review on Polymer Nanofibers by Electrospinning and Their Applications in Nanocomposites", Composites Science and Technology, 63: 2223-2253, 2003.	
	114	Inglot "Comparison of the Antiviral Activity In Vitro of Some Non-Steroidal Anti-Inflammatory Drugs", Journal of General Virology, 4(2): 203-214, 1969.	
	115	Jack et al. "The Organization of Aromatic Side Groups in An Amyloid Fibril Probed by Solid-State 2H and 19F NMR Spectroscopy", Journal of the American Chemical Society, JACS, 128: 8098-8099, 2006.	
	116	Jayawarna et al. "Nanostructured Hydrogels for Three-Dimensional Cell Culture Through Self-Assembly of Fluorenylmethoxy carbonyl-Dipeptides", Advanced Materials, 18: 611-614, 2006.	
Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional).

² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/574,405
Filing Date	March 31, 2006
First Named Inventor	Ehud GAZIT et al
Art Unit	1645
Examiner Name	Not Yet Assigned

Sheet

7

Of

10

Attorney Docket Number

31689

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	117	Jin "Electrospinning Bombyx Mori Silk With Poly (Ethylene Oxide)" Biomacromolecules, 3: 1233-1239, 2002.	
	118	Kaplan "Fibrous Proteins-Silk as a Model System", Polymer Degradation and Stability, 59: 25-32, 1998.	
	119	Kimura et al. "Analysis and Prediction of Absorption Profile Including Hepatic First-Pass Metabolism of N-Methyltyramine, A Potent Stimulant of Gastrin Release Present in Beer, After Oral Ingestion in Rats By Gastrointestinal-Transit-Absorption Model", Drug Metabolism and Disposition, 28(5): 577-581, 2000.	
	120	Kisilevsky et al. "Arresting Amyloidosis In Vivo Using Small-Molecule Anionic Sulphonates or Sulphates: Implications for Alzheimer's Disease", Nature Medicine, 1: 143-148, 1995. Abstract.	
	121	Kocisko et al. "New Inhibitors of Scrabie-Associated Prion Protein Formation in A Library of 2,000 Drugs and Natural Products", Journal of Virology, 77(19): 10288-10294, 2003.	
	122	Kon-Ya et al "Indole Derivatives as Potent Inhibitors of Larval Settlement by the Barnacle, Balanus Amphitrite", Bioscience Biotechnology Biochemistry, JP, 58(12): 2178-2181, 1994. Compound 102.	
	123	Kubik "High-Performance Fibers from Spider Silk", Angewandte Chemie, International Edition, 41(15): 2721-2723, 2002.	
	124	Lashuel et al. "New Class of Inhibitors of Amyloid-? Fibril Formation. Implications for the Mechanism of Pathogenesis in Alzheimer's Disease", The Journal of Biological Chemistry, 277(45): 42881-42890, 2002.	
	125	Lazaris et al. "Spider Silk Fibers Spun From Soluble Recombinant Silk Produced in Mammalian Cells", Science, 295: 472-476, 2002. P.474-475.	
	126	Lee et al. "Anti-Diabetic Constituent From the Node of Lotus Rhizome (Nelumbo Nucifera Gaertn)", Natural Product Sciences, 7(4), 107-109, 2001. P.108, Col.1, Last § - Col.2, § 1.	
	127	Lee et al. "Virus-Based Fabrication of Micro- and Nanofibers Using Electrospinning" Nano Letters, 4(3): 387-390, 2004.	
	128	Liao et al. "Triphenylmethane Dyes As Inhibitors of Reverse Transcriptase RNA Polymerase and Protein Synthesis: Structure Activity Relationships", Journal of Medicinal Chemistry, 18(1): 117-120, 1975. Abstract.	

Examiner Signature

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).

2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3).

3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3).

4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

6 Applicant is to place a check mark here if English language translation is attached

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/574,405
Filing Date	March 31, 2006
First Named Inventor	Ehud GAZIT et al
Art Unit	1645
Examiner Name	Not Yet Assigned

Sheet

8

OF

10

Attorney Docket Number

31689

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	129	Losert et al. "Effect of Indole 3 Alkanecarboxylic Acids on Glucose Utilization in Rats" Arzneimittel-Forschung/Drug Research, 25(6): 880-887, 1975. P.880, Col.1, § 6, P.886, Col.2, § 4, 5, P.887, Col.1, § 3.	
	130	Mah et al. "A Genetic Basis for Pseudomonas Aeruginosa Biofilm Antibiotic Resistance", Nature, 426: 306-310, 2003.	
	131	Mahler et al. "Rigid, Self-Assembled Hydrogel Composed of A Modified Aromatic Dipeptide", Advanced Materials, 18(11): 1365-1370, 2006.	
	132	Matsu et al. "Crystalline Glycylglycine Bolaamphiphile Tubules and Their pH-Sensitive Structural Transformation" The Journal of Physical Chemistry B, 104(15): 3384-3386, 2000.	
	133	Meluleni et al. "Mucoid Pseudomonas Aeruginosa Growing in A Biofilm in Vitro are Killed by Opsonin Antibodies to the mucoid Exopolysaccharide Capsule but Not By Antibodies Produced During Chronic Lung Infection in Cystic Fibrosis Patients", Journal of Immunology , 155:2029-2038, 1995.	
	134	Murphy et al. "Biofilm Formation by Nontypeable Haemophilus Influenzae: Strain variability, Outer Membrane Antigen Expression and Role of pili", BMC Microbiology, 2(7): 1471-2180, 2002.	
	135	Nakajima "Amine Precursor Therapy: Manipulation of Brain Amine Activity With Precursor Amino Acid", Psychiatry and Clinical Neurosciences, 51(5), 267-274, 1997. P.269, Col.1, § 2, 3.	
	136	Oza et al. "Synthesis and Evaluation of Anthranilic Acid-Based Transthyretin Amyloid Fibril Inhibitors", Bioorganic & Medicinal Chemistry Letters, 9: 1-6, 1999.	
	137	Pavia et al. "Antimicrobial Activity of Nicotine Against A Spectrum of Bacterial and Fungal Pathogens", Journal of Medical Microbiology, 49(7): 675-676, 2000.	
	138	Peterson et al. "Inhibiting Transthyretin Conformational Changes That Lead to Amyloid Fibril Formation", Proc. Natl. Acad. Sci. USA, 95: 12956-12960, 1998.	
	139	Pispisa et al. "A Spectroscopic and Molecular Mechanics Investigation on A Series of AIB-Based Linear Peptides and A Peptide Template, Both Containing Tryptophan and A Nitroxide Derivative as Probes", Biopolymers, 53: 169-181, 2000.	
Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).

2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

4 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

5 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

6 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

7 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/574,405
Filing Date	March 31, 2006
First Named Inventor	Ehud GAZIT et al
Art Unit	1645
Examiner Name	Not Yet Assigned

Sheet 9 Of 10 Attorney Docket Number 31689

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	140	Reches et al. "Designed Aromatic Homo-Dipeptides: Formation of Ordered Nanostructures and Potential Nanotechnological Applications", <i>Physical Biology</i> , 3: S10-S19, 2006.	
	141	Reches et al. "Self-Assembly of Peptide Nanotubes and Amyloids-Like Structures by Charged-Termini-Capped Diphenylalanine Peptide Analogues", <i>Israel Journal of Chemistry</i> , 45(3): 363-371, 2005.	
	142	Reches et al. "Supporting Online Material", <i>Science</i> , 300(5619): 1-9, 2003. Retrieved From the Internet: URL: http://www.sciencemag.org/cgi/data/300/5619/625/DC1	
	143	Sacchettini et al. "Therapeutic Strategies for Human Amyloid Diseases", <i>Nature Reviews</i> , 1: 267-275, 2002.	
	144	Stewart "Theoretical Aspects of Antibiotic Diffusion Into Microbial Biofilms", <i>Antimicrobial Agents and Chemotherapy</i> , 40(11): 2517-2522, 1996.	
	145	Toledano et al. "Enzyme-Triggered Self-Assembly of Peptide Hydrogels Via Reversed Hydrolysis", <i>Journal of the American Chemical Society, JACS</i> , 128(4): 1070-1071, 2006.	
	146	True et al. "Epigenetic Regulation of Translation Reveals Hidden Genetic Variation to Produce Complex Traits", <i>Nature</i> , 431: 184-187, 2004.	
	147	Tsai et al. "Synthesis of AIB-Containing Peptidomimetics as Potential Inhibitors of Alzheimer's γ -Secretase", 218th ACS National Meeting, New Orleans, USA, Meeting Abstract, MEDI-018, 1999. Abstract.	
	148	Tsang et al. "A Simple Chemical Method of Opening and Filling Carbon Nanotubes", <i>Nature</i> , 372: 159-162, 1994.	
	149	Tuite et al. "Propagation of Yeast Prions", <i>Nature Reviews</i> , 4: 878-889, 2003.	
	150	Vauthhey et al. "Molecular Self-assembly of Surfactant-Like Peptides to form Nanotubes and Nanovesicles", <i>PNAS</i> , 99(8):5355-5360, 2002.	
	151	Westwater et al. "Use of Genetically Engineered Phage to Deliver Antimicrobial Agents to Bacteria: An Alternative Therapy for Treatment of Bacterial Infections", <i>Antimicrobial Agents and Chemotherapy</i> , 47 (4): 1301-1307, 2003.	
	152	Yokoi et al. "Dynamic Reassembly of Peptide RADA16 Nanofiber Scaffold", <i>Proc. Natl. Acad. Sci. USA</i> , 102(24): 8414-8419, 2005.	
Examiner Signature		Date Considered	

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional).

2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

6 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14, this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 10 of 10 Attorney Docket Number 31689

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Signature	/Nina Archie/	Date Considered	11/20/2008
-----------------------	---------------	--------------------	------------

EXCLUDED. Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.

¹ Applicant's unique citation designation number (optional).

² See *Kindle Code of USPTO Patent Documents* at www.uspto.gov, or MPEP § 901.04, 3. Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3).

³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST 3).

⁴ For Japanese patent documents, the indication of the name of the Examining Patent Office or the serial number of the patent document.

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number.

Kind of document by the appropriate symbols as indicated on the document under
Signature.

*** Applicant is to place a check mark here if English language translation is attached.**

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14 this collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.A./